

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-229585

(43)Date of publication of application : 16.08.2002

(51)Int.Cl. G10L 15/06  
G10L 15/18  
G10L 15/00

(21)Application number : 2001-023736

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(22)Date of filing : 31.01.2001

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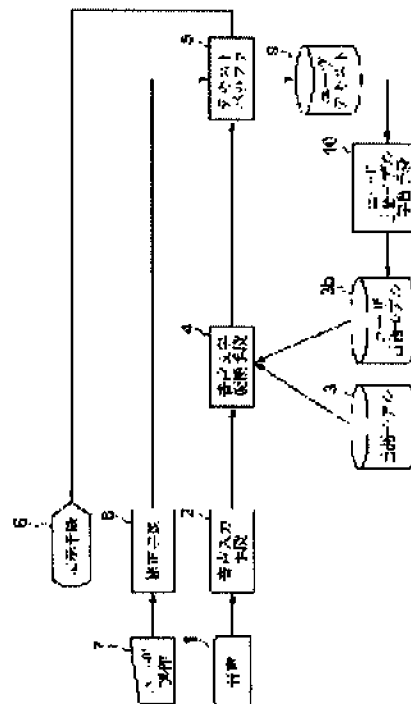
## (54) SENTENCE INPUT DEVICE BY MEANS OF SPEECH RECOGNITION

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To solve the problem that it was difficult before to recognize a technical sentence including special terms and phrasings.

**SOLUTION:** This device is equipped with a language model 3, a language model 3b which has a vocabulary characteristic of a user, a speech input means 2 which inputs speech, a speech character converting means 4 which converts the speech into characters by computing the likelihood of a word sequence by referring to the language model and user language model, a text buffer 5 which temporarily stores the word sequence of the output characters of the speech character converting means, a display means 6 which displays the characters temporarily stored in the text buffer, a correcting means 8 which generates a user text by correcting the characters displayed by the display means, and a user language model learning means 10 which analyzes the user text and adds the vocabulary characteristic of the user to the user language model to update it.

Consequently, the vocabulary and expression characteristic of the user can be added to the user language model and recognition performance can be improved corresponding a speaking variation characteristic of the user.



## LEGAL STATUS

[Date of request for examination] 17.09.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision]